**COGNIZANT**

**Week-1 Hands on**

**Assignments**

**Design patterns and principles,**

**Data structures and Algorithm**

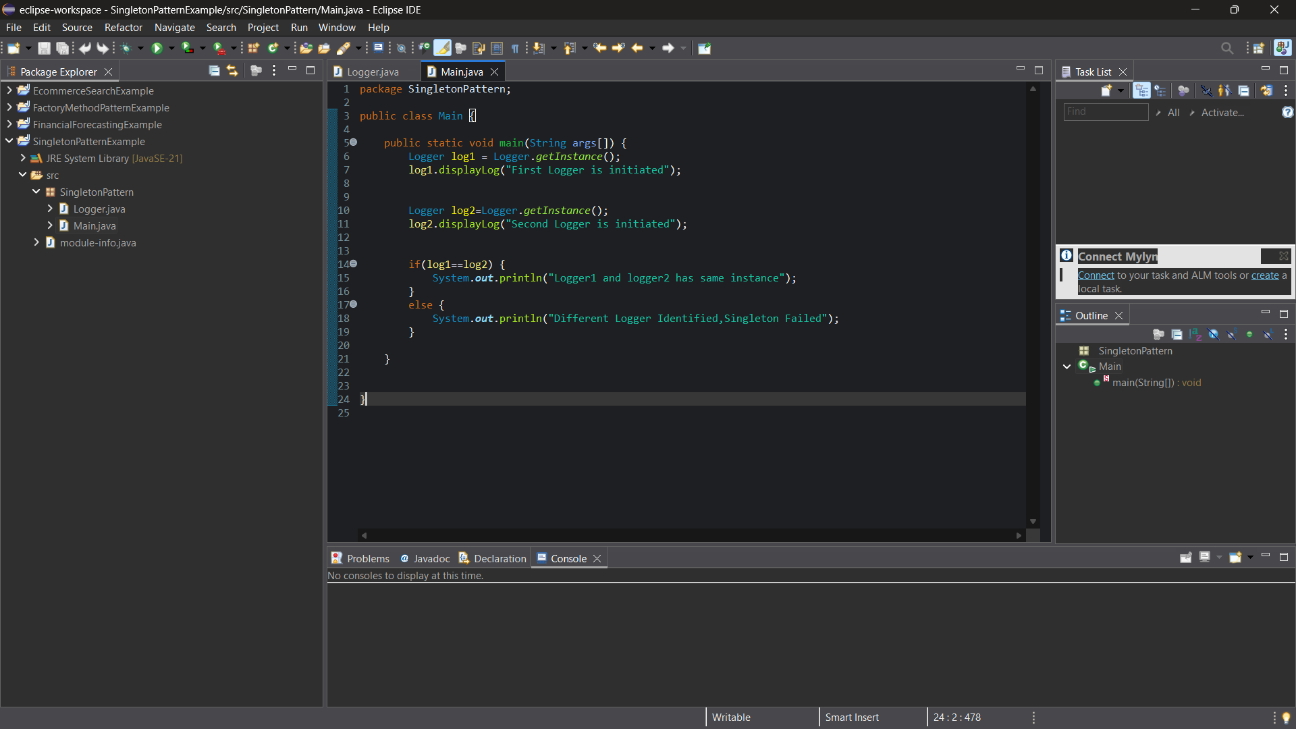
**Name: *Lalith Kumar S***

**Super Set ID: *6372999***

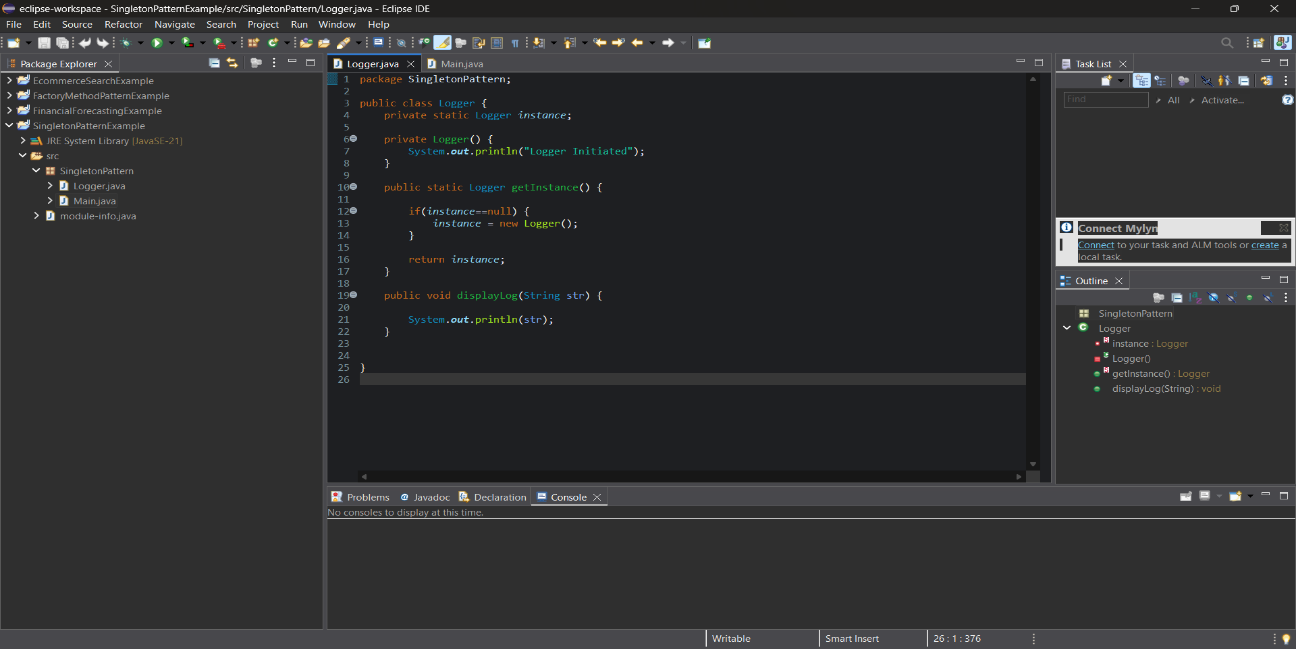
**E-mail:**[***officiallalithkumar@gmail.com***](mailto:officiallalithkumar@gmail.com)

**Design patterns and principles**

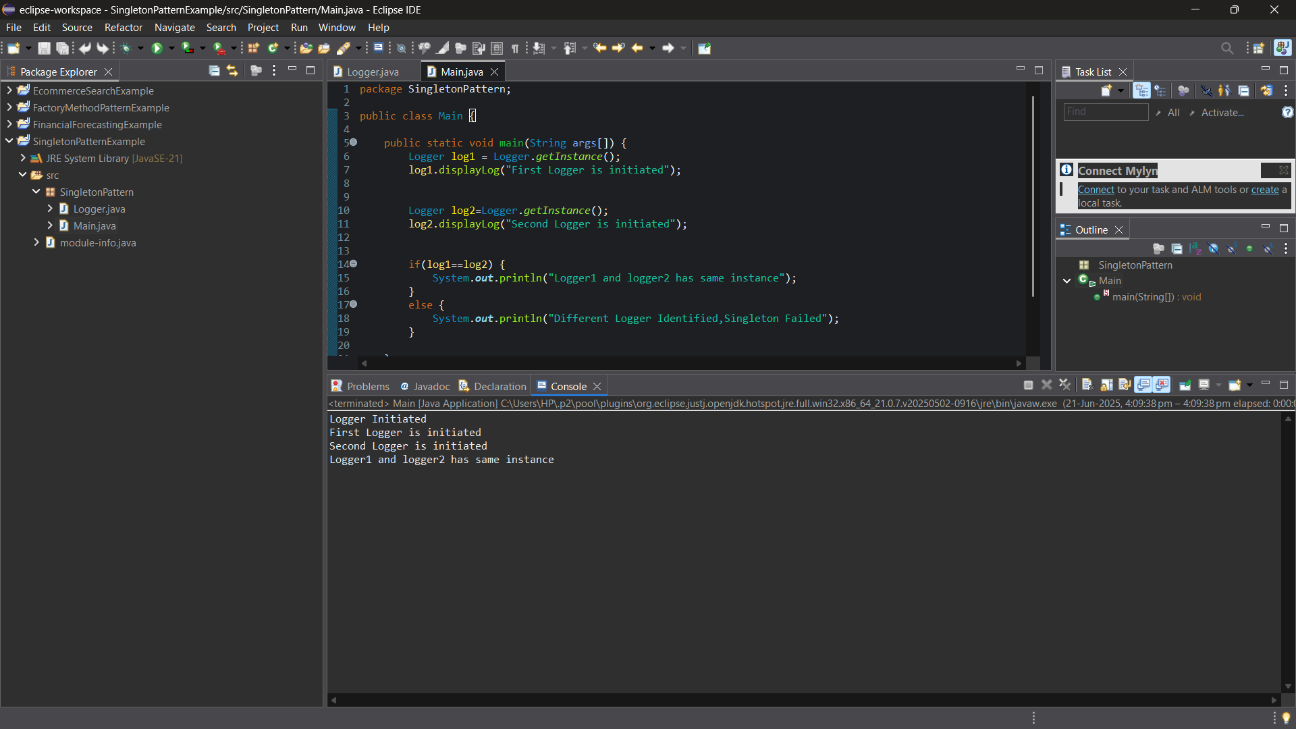
**Question-1(Singleton Pattern)**

**Main.java**

**Logger.java**

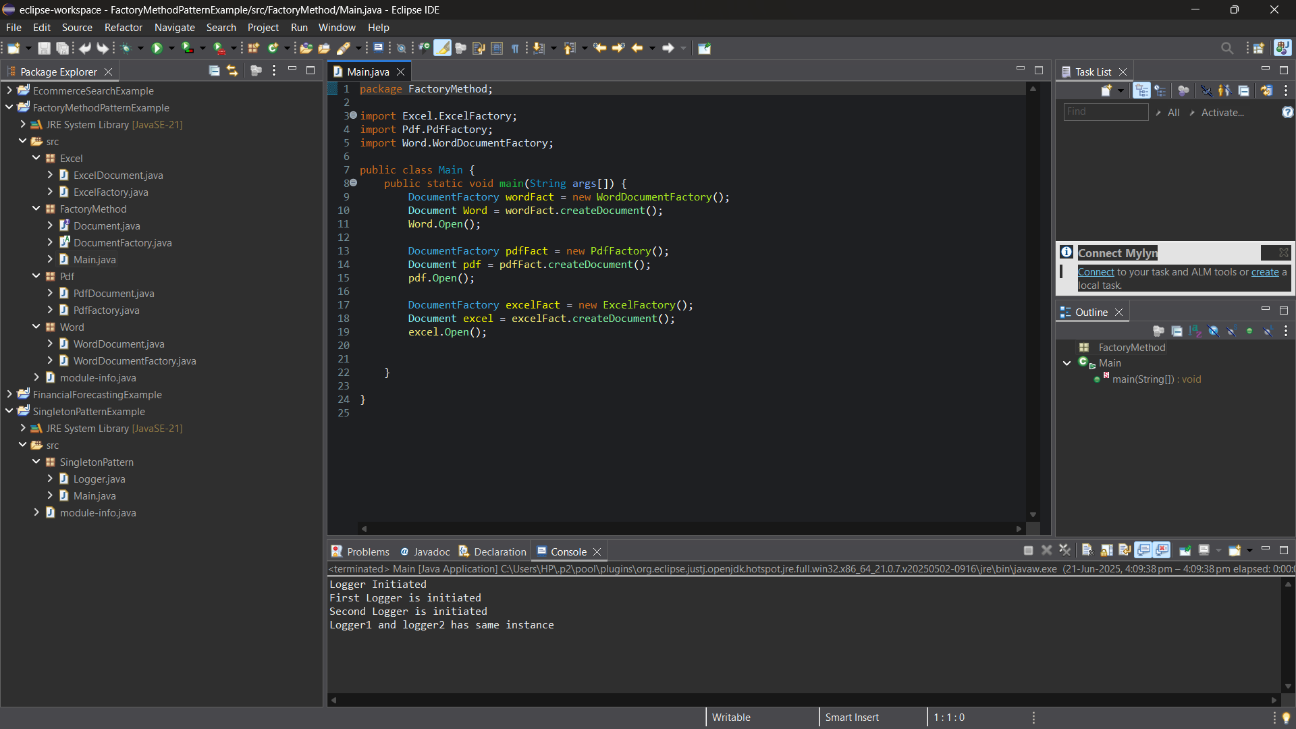
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**Output:**

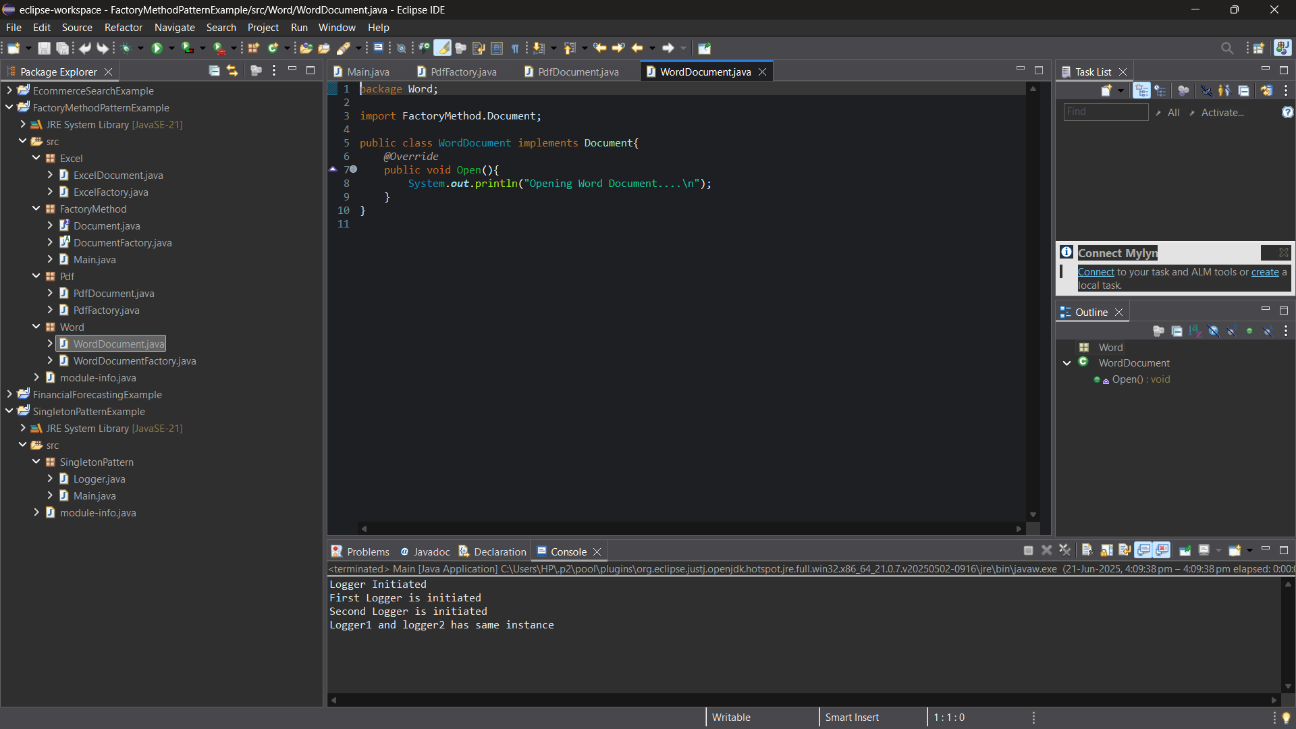
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**Question-2(Factory Method Pattern)**

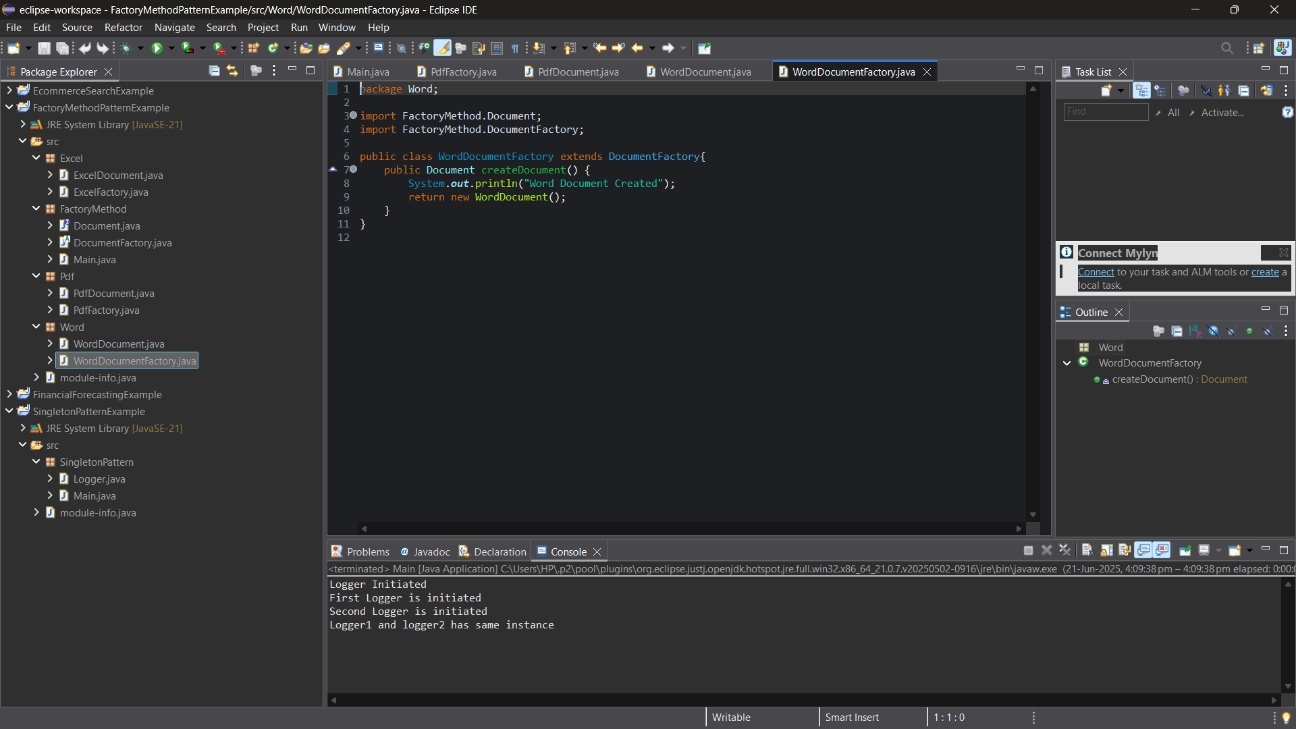
**Main.java**

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**WordDocument.java**

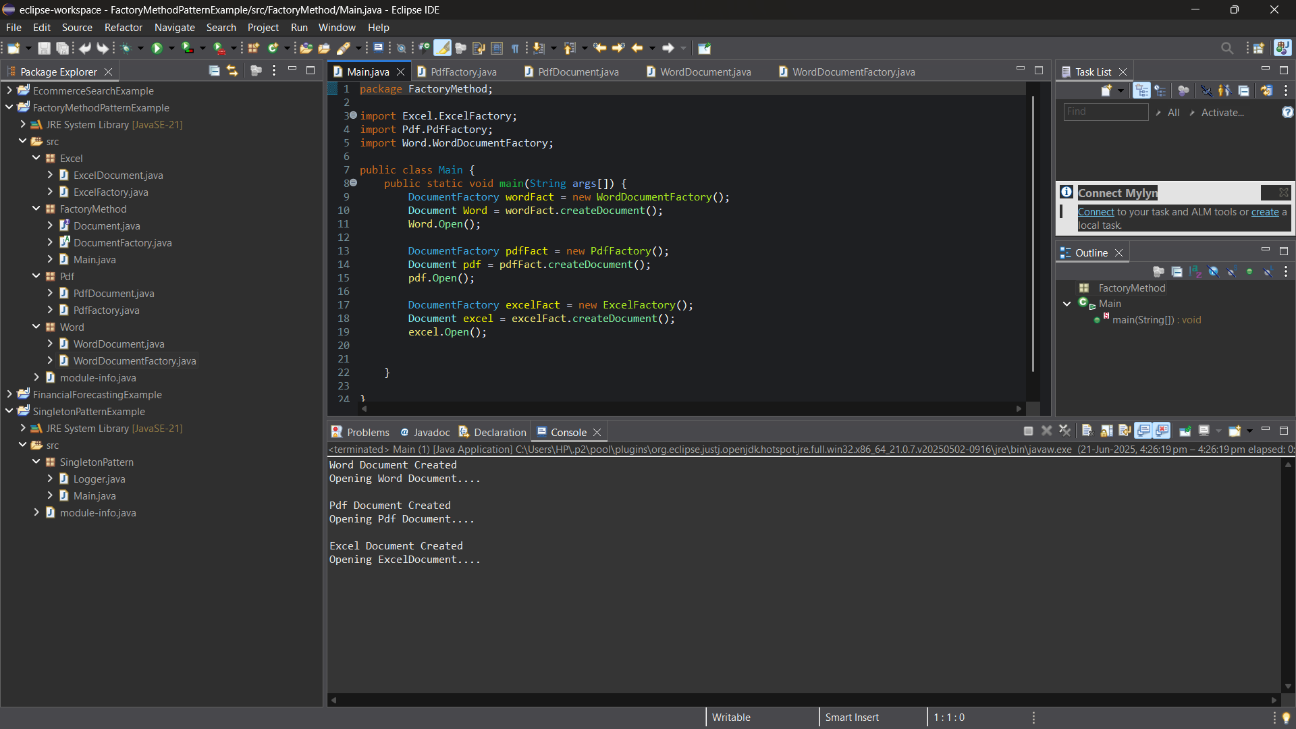
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**WordDocumentFactory.java**

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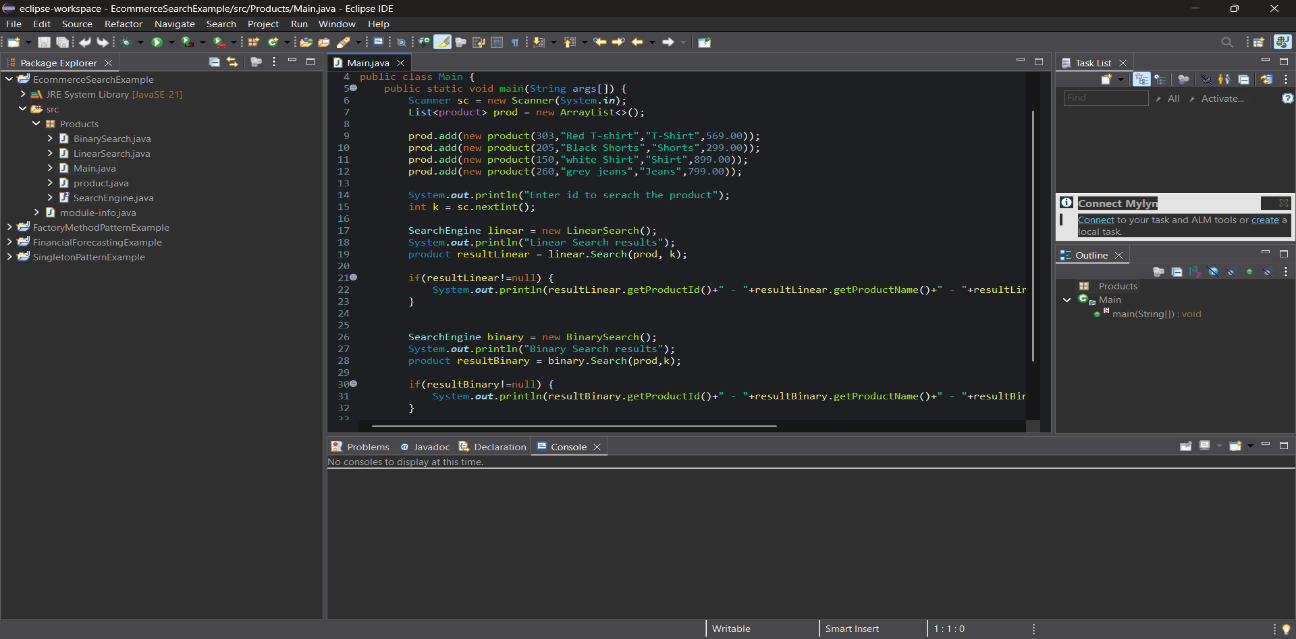
* Same types of classes are used for pdf and excel format documents

**Output:**

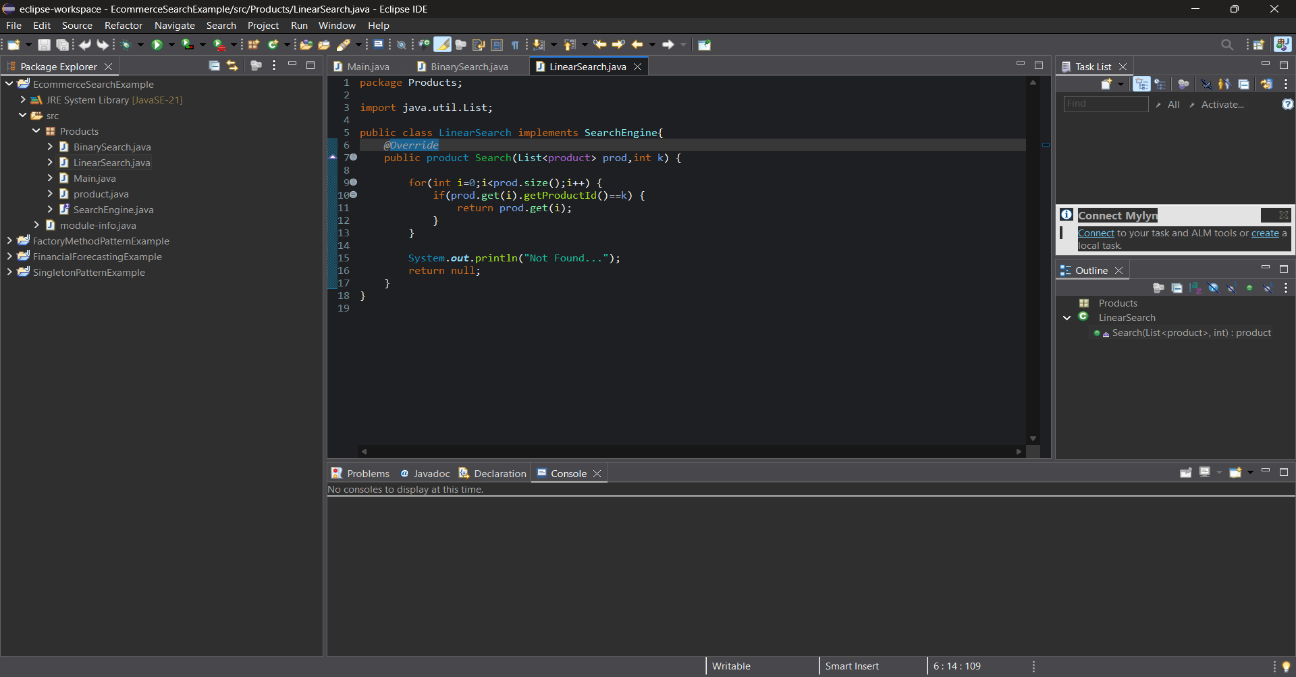
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**Data structures and Algorithm**

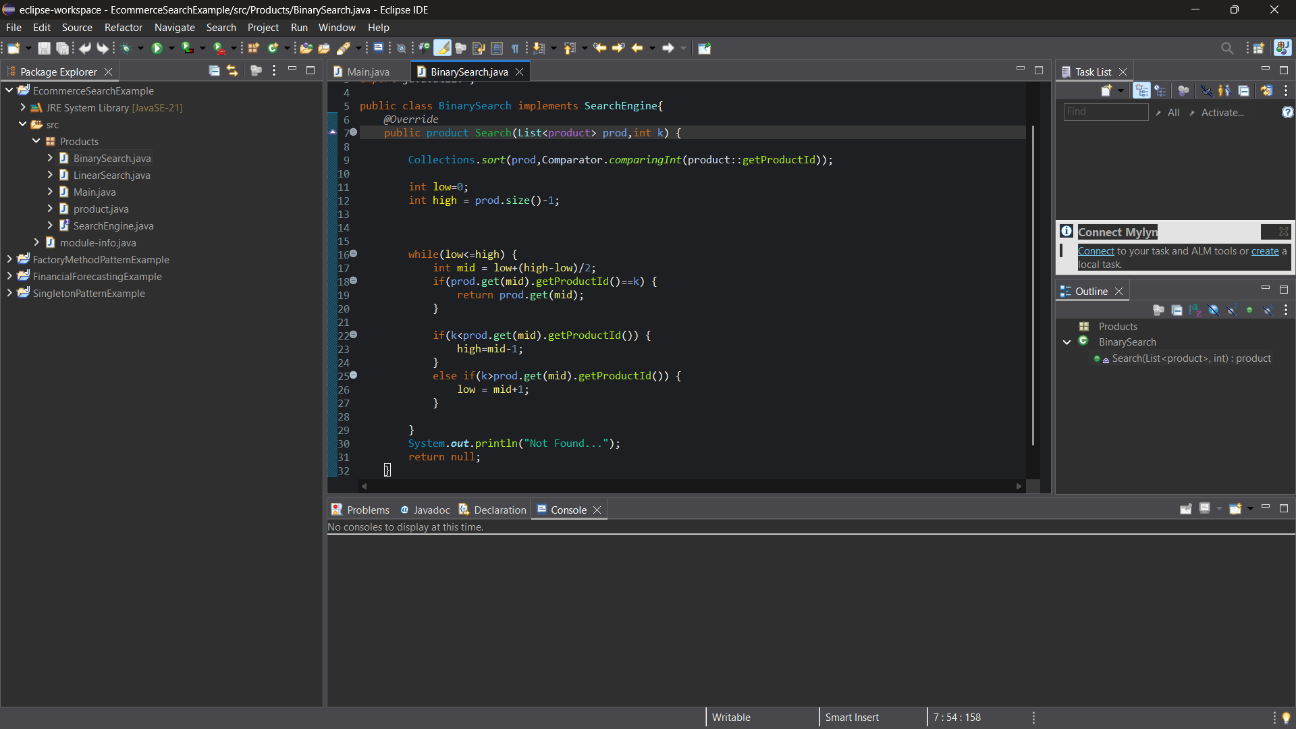
**Question -1(Linear and Binary Search)**

**Main.java**

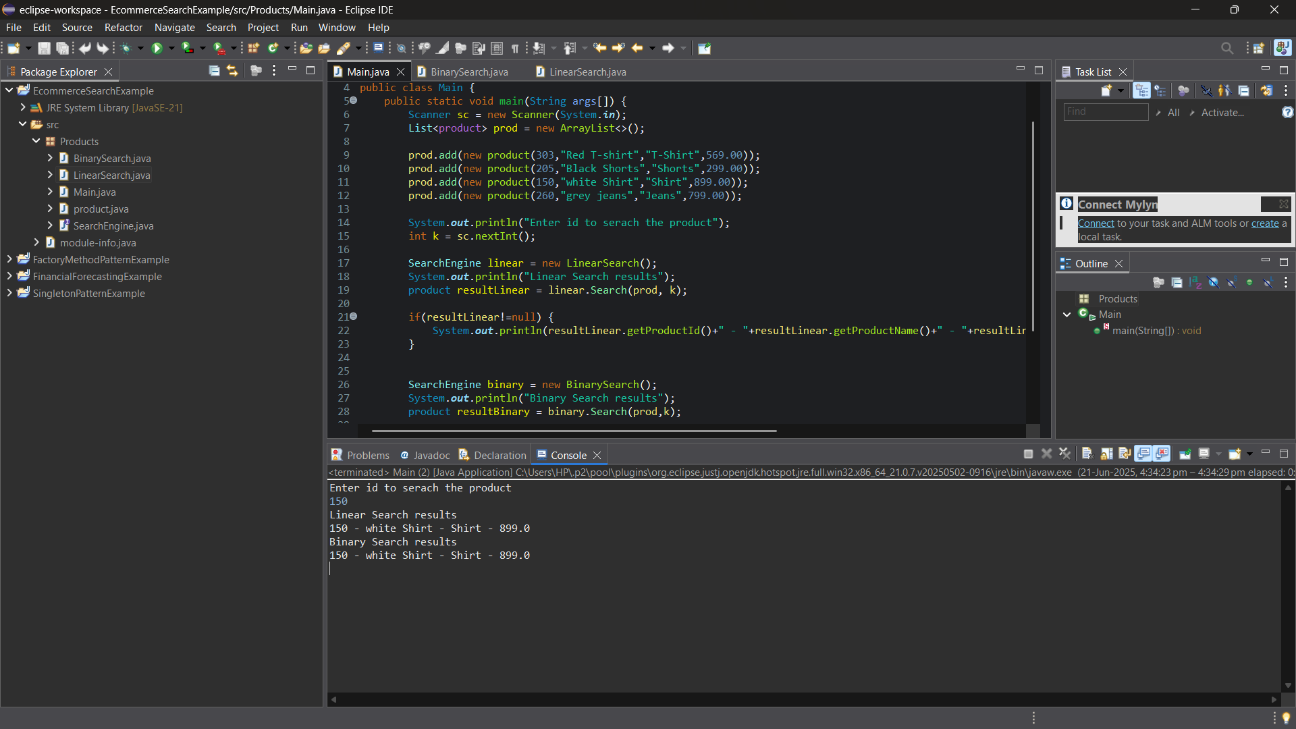
**Linear.java**

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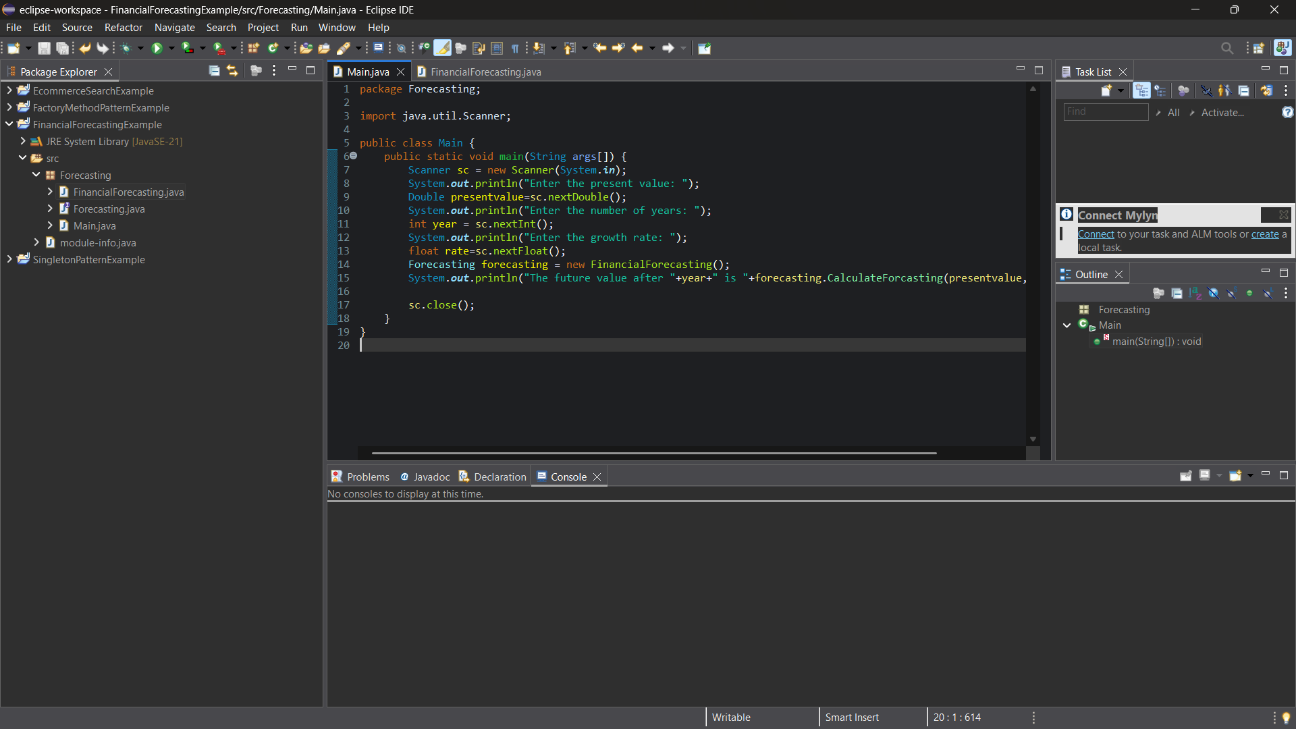
**Binary.java**

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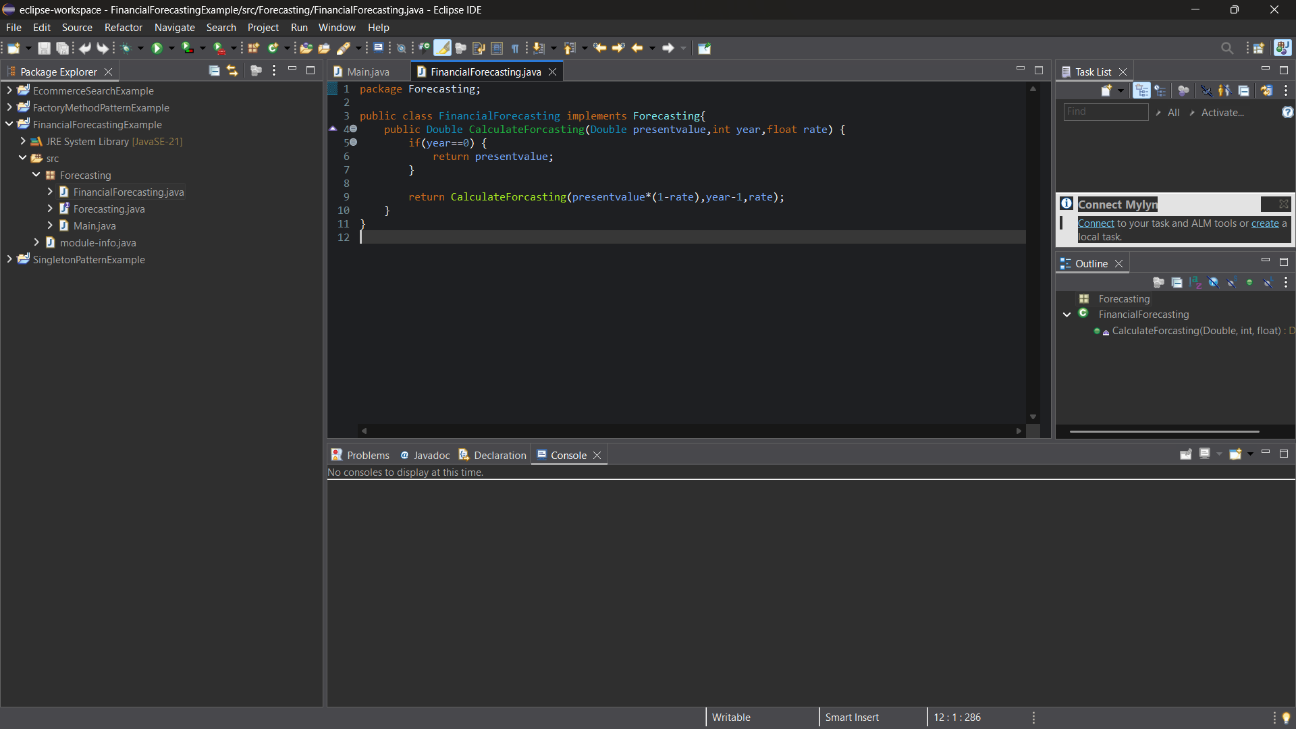
**Output:**

****

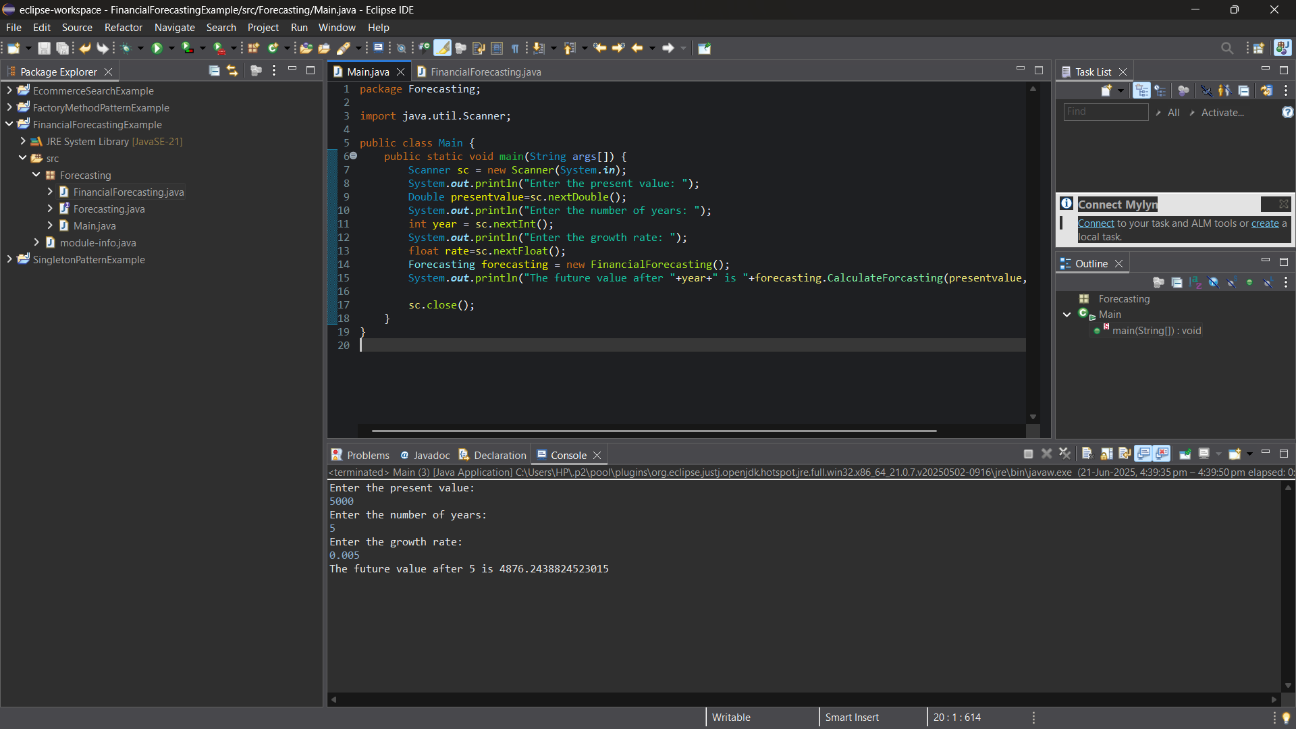
**Question-2(Financial Forecasting)**

**Main.java**

**FinancialForecasting.java**

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**Output:**

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